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DECLARATION -AND POWER OF ATTORNEY Utility Application

As a below named inventor. I hereby declare that:

As a below named ir	ventor, I hereby declare that:	
My residence, post of	office address and citizenship are as stated below next to my name.	,
I believe I am the o	riginal, first and sole inventor (if only one name is listed below) or an original, ral names are listed below) of the subject matter which is claimed and for which ention entitled <u>DEPROTECTION OF RNA</u> the specification of which	first and a patent
(Check One)	is attached hereto OR is attach	/164.964

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign	Country	Date of Filing	Priority C Yes	laimed No
Application Number(s)				

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date
60/061,321	October 02, 1997

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date	Status-Patented, Pending or Abandoned
	***		**

POWER OF ATTORNEY: As a named inventor, I hereby appoint as my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Roland N. Smoot, Reg. No. 18,718; Conrad R. Solum, Jr. Reg. No. 20,467; James W. Geriak, Reg. No. 20,233; Robert M. Taylor, Jr., Reg. No. 19,848; Samuel B. Stone, Reg. No. 19,297; Douglas E. Olson, Reg. No. 22,798; Robert E. Lyon, Reg. No. 24,171; Robert C. Weiss, Reg. No. 24,939; Richard E. Lyon, Jr., Reg. No. 26,300; John D. McConaghy, Reg. No. 26,773; William C. Steffin, Reg. No. 26,811; Coe A. Bloomberg, Reg. No. 26,605; J. Donald McCarthy, Reg. No. 25,119; John M. Benassi, Reg. No. 27,483; James H. Shalek, Reg. No. 29,749; Allan W. Jansen, Reg. No. 29,035; Robert W. Dickerson, Reg. No. 29,914; Roy L. Anderson, Reg. No. 30,240; David B. Murphy, Reg. No. 31,125; James C. Brooks, Reg. No. 29,898; Jeffrey M. Olson, Reg. No. 30,790; Steven D. Hemminger, Reg. No. 30,755; Jerrold B. Reilly, Reg. No. 32,293; Paul H. Meier, Reg. No. 32,274; John A. Rafter, Jr., Reg. No. 31,653; Kenneth H. Ohriner, Reg. No. 31,646; Mary S. Consalvi, Reg. No. 32,212; Lois-M.-Kwasigroch, Reg. No. 35,579; Lawrence R. LaPorte, Reg. No. 38,948; Robert C. Laurenson, Reg. No. 34,206; Bradford J. Duft, Reg. No. 32,219; Suzanne L. Biggs, Reg. No. 30,158; Richard J. Warburg, Reg. No. 32,327; John M. Johnson, Reg. No. 33,334; Daniel M. Chambers, Reg. No. 34,561; Daniel N. Yannuzzi, Reg. No. 36,727; Jessica R. Wolff, Reg. No. 37,261; Douglas C. Murdock, Reg. No. 37,549; Jeffrey W. Guise, Reg. No. 34,613; Troy M. Schmelzer, Reg. No. 36,667; F.T. Alexandra Mahaney, Reg. No. 37,668; Charles S. Berkman, Reg. No. 38,077; Edward M. Jordan, Reg. No. 40,666; John C. Kappos, Reg. No. 37,861; Daniel N. Yanuzzi, Reg. No. 36,727; Stephen S. Korniczky, Reg No. 34,853; Jonathan T. Losk, Reg. No. 39,755; Theodore S. Maceiko, Reg. No. 35,593; Hope E. Melville, Reg. No. 34,874; Jeffrey A. Miller, Reg. No. 35,874; Kurt T. Mulville, Reg. No. 37,194; Clarke W. Neumann, Reg. No. 39,789; Vicki Norton, Reg. No. 40,745; Kenneth S. Roberts, Reg. No. 38,283; Thomas R. Rouse, Reg. No. 40,793; James K. Sakaguchi, Reg. No. 41,285; James K. Sakaguchi, Reg. No. 41,285; Carol A. Schneider, Reg. No. 34,923; Sheryl R. Silverstein, Reg. No. 40,812; Keith Kind, Reg. No. 42,735; Brent D. Sokol, Reg. No. 38,621; Jeffrey D. Tekanic, Reg. No. 36,031; Christopher A. Vanderlaan, Reg. No. 37,747; David E. Wang, Reg. No. 38,358; Lisa Ward Karmelich, Reg No. 41,421; Michael J. Wise, Reg. No. 34,047; Wesley B. Ames, Reg. No. 40,893; Charles Balgenorth, Reg. No. 37,586; Thomas J. Brindisi, Reg. No. 40,348; James P. Brogan, Reg. No. 35,833; David T. Burse, Reg. No. 37,104; Bruce G. Chapman, Reg. No. 33,846; Farshad Farjami, Reg. No. 41,014; Charles C. Fowler, Reg. No. 39,675; and Corrine M. Freeman, Reg. No. 37,625.; of LYON & LYON, 633 West Fifth Street, Suite 4700, Los Angeles, California 90071-2066 telephone (619) 552-8400

Send Correspondence to: Richard J. Warburg	633 W Fifth St., Suite 4700	Direct Telephone calls to: 619 552 8400
	Los Angeles, CA 90071	the size on payt page

Residence, post office address, citizenship and signature of inventor(s) set forth beginning on next page.

	FULL NAME OF INVENTOR	FIRST Name Laurent	MIDOLE Initial	LAST Name Bellon
201	RESIDENCE & CITIZENSHIP	City Boulder	State or Foreign Country Colorado	Country of Citizenship France
	POST OFFICE ADDRESS	2946 Glenwood Drive	City Boulder	State or Country Zip Cod. 80301
	FULL NAME OF INVENTOR	FIRST Name Christopher	MIDOLE Initial T.	LAST Name Workman
202	RESIDENCE & CITIZENSHIP	City Boulder	State or Foreign Country Colorado	Country of Citizenship U.S.A.
	POST OFFICE ADDRESS	3910 Longwood	City Boulder	State or Country Zip Code Colorado 80303
	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name
203	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship
	POST OFFICE ADDRESS		City	State or Country Zip Code
	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name
204	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship
	POST OFFICE ADDRESS		City	State or Country Zip Code
	FULL NAME OF INVENTOR	FIRST Name	MIDOLE Initial	LAST Name
205	PESIDENCE &	City	State or Foreign Country	
	POST OFFICE ADDRESS		City	State or Country Zip Code
	FULL NAME OF	FIRST Name	MIDOLE Initial	LAST Name
20	PESIDENCE &	City	State or Foreign Country	
	POST OFFICE ADDRESS		City	State or Country Zip Code

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code §1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of twentier	· 201	Signature of Inventor	204
Date 07/01/5	9	Date	
Signature of Inventor	202	Signature of Inventor	205
Date		Date	
Signature of Inventor	203	Signature of Inventor	206
Date		Date	

(Signatures should conform to names as presented at 201 et seq. above.)

Lyon & Lyon LLP Docket Information 236/249

DECLARATION AND POWER OF ATTORNEY Utility Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my nar	Μv	residence.	, post office address	and citizenship	are as stated b	elow next to my nam
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my redidence, poet of	, mod dod dod dire diversity directions and directi	
joint inventor (if plura	riginal, first and sole inventor (if only one name is listed below) or an original names are listed below) of the subject matter which is claimed and for vention entitled <u>DEPROTECTION OF RNA</u> the specification of which	ginal, first and which a patent
(Check One)	 ☐ is attached hereto OR ☒ was filed on October 1, 1998 as United States Application Serial No. PCT International Application No. and was amended on (if applicable). 	o. <u>09/164,964</u>
I hereby state that including the claims,	I have reviewed and understand the contents of the above-identified, as amended by any amendment(s) referred to above.	specification,
I acknowledge the o	duty to disclose information which is material to the patentability of this le 37, Code of Federal Regulations, § 1.56.	application in
foreign application(s which designated at identified below, by	ign priority benefits under Title 35, United States Code, § 119(a)-(d) or § s) for patent or inventor's certificate, or § 365(a) of any PCT internation at least one country other than the United States of America, listed below to checking the box, any foreign application for patent or inventor's certification having a filing date before that of the application on which priority	nai application and have also cate, or of any

Prior Foreign	Country	Date of Filing	Priority Yes	Claimed No
Application Number(s)			162	110
1		1		·

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

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			**

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Send Correspondence to: Richard J. Warburg		Direct Telephone calls to: 619 552 8400	
	Los Angeles, CA 90071		

Residence, post office address, citizenship and signature of inventor(s) set forth beginning on next page.

	FULL NAME OF INVENTOR	FIRST Name Laurent	MIDDLE Initial	LAST Name Bellon
201	RESIDENCE & CITIZENSHIP	City Boulder	State or Foreign Country Colorado	Country of Citizenship France
	POST OFFICE ADDRESS	2946 Glenwood Drive	City Boulder	State or Country Zip Code Colorado 80301
	FULL NAME OF INVENTOR	FIRST Name Christopher	MIDDLE Initial T.	LAST Name Workman
202	RESIDENCE & CITIZENSHIP	City	State or Foreign Country DENMARK	Country of Citizenship U.S.A.
	POST OFFICE ADDRESS	Rønne Allé 5	CityLyngby	State or Country Zip Code DENMARK 2800
	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name
203	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship
	POST OFFICE ADDRESS		City	State or Country Zip Code
	FULL NAME OF INVENTOR	FIRST Name	MIODLE Initial	LAST Name
204	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship
	POST OFFICE ADDRESS		City	State or Country Zip Code
	FULL NAME OF INVENTOR	FIRST Name	MIDOLE Initial	LAST Name
205	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship
	POST OFFICE ADDRESS		City	State or Country Zip Code
	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name
206	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship
	POST OFFICE ADDRESS		City	State or Country Zip Code

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code §1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor	201	Signature of Inventor	204
Date		Date	
Signature of Inventor	202	Signature of Inventor	205
Date 7/15/99		Date	<u> </u>
Signature of Inventor	203	Signature of Inventor	206
Date		Date	

(Signatures should conform to names as presented at 201 et seq. above.)

Page 3 of 3

SD-118529.1



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE (Case No. 00,804 (211/180))

In re Patent of:)	
Beigelman et al.)	
Patent No.: 5,716,824)	Group Art Unit:
Issued: February 10, 1998)	Examiner:
For: 2'-O-Alkylthioalkyl and 2-C-Alkylthioalkyl-Containing Enzymatic Nucleic Acids (Ribozymes))))	
Asst. Commissioner for Patents Washington, DC 20231		
DOMED OF A TROPHES	. 	

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST (REVOCATION OF PRIOR POWERS)

As assignee of record of the entire interest of the above identified

	application	
\boxtimes	patent	

REVOCATION OF PRIOR POWERS OF ATTORNEY

all powers of attorney previously given in this patent, and in all applications and patents assigned to Ribozyme Pharmaceuticals, Inc., are hereby revoked and

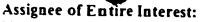
NEW POWER OF ATTORNEY

The undersigned hereby appoints all of the practitioners associated with the Customer Number provided below to prosecute this application, and all applications and patents assigned to Ribozyme Pharmaceuticals, Inc., and to transact all business in the Patent and Trademark Office connected therewith and directs that all correspondence be addressed to that Customer Number:

Customer Number: 020306

Principal attorney or agent: Anita J. Terpstra

Telephone number: 312-913-0001



Name: Ribozyme Pharmaceuticals, Inc.

Address: 2950 Wilderness Place. Boulder, Colorado 80301

EVIDENCE AND CERTIFICATION OF CHAIN OF TITLE

\boxtimes	Recorded in PTO on	May 2, 1996	
	Reel	7938	
	Frame	0723	
	Recorded herewith.		

ASSIGNEE CERTIFICATION

In accordance with 37 C.F.R. § 3.73 the assignee hereby certifies that the evidentiary documents with respect to its ownership have been reviewed and that, to the best of assignee's knowledge and belief, title is in the assignee seeking to take this action.

Date: October 26, 2000

Name: Alene Holzman

Title: Vice President, Corporate Development